

### **Abstract of the Invention**

In accordance with the present invention an anesthesia delivery device is disclosed for use on a patient having a mouth and a nose having a naris. The delivery device is capable of being coupled to a ventilation system having an inspiratory gas input for delivering gas to the patient and an exhaust gas output for delivering gas from a patient to the ventilation system. The anesthesia device includes an inspiratory gas line having a machine end and a patient end. The machine end is capable of being fluidly coupled to the inspiratory gas input of the ventilation system, and the patient end is configured for being received within the naris of the patient for delivering inspiratory gas to the naris of the patient. The device also includes a face mask having a dome portion sized to cover the patient's nose without covering the patient's mouth. The dome portion defines an inside air space between the patient's nose and the dome portion, and an outside air space exterior of the dome portion. A vent is provided for allowing gas to pass between the inside air space and the outside air space. An exhaust port is provided that is capable of being fluidly coupled to the exhaust gas output of the ventilation system for allowing gas to pass from the inside air space to the exhaust gas output of the ventilation system. The exhaust port and vent are capable of cooperatively exerting a negative pressure on the outside air space adjacent to the face mask for preventing inspiratory gas from entering the outside air space adjacent to the face mask.